THE JOURNAL OF
LOGIC PROGRAMMING

VOLUME 37, NUMBERS 1–3, OCTOBER–DECEMBER 1998

CONTENTS

Guest Editors' Introduction vii

Section 1: Theory

The semantics of constraint logic programs 1
J. Jaffar, M. Maher, K. Marriott and P. Stuckey

A framework to incorporate non-monotonic reasoning into constraint logic programming 47
J. Dix and F. Stolzenburg

CLP(χ) for automatically proving program properties 77
F. Mesnard, S. Hoarau and A. Maillard

Section 2: Language design

Theory and practice of constraint handling rules 95
T. Frühwirth

Design, implementation, and evaluation of the constraint language cc(FD) 139
P. Van Hentenryck, V. Saraswat and Y. Deville

Dynamic optimization of interval narrowing algorithms 165
O. Lhomme, A. Gotlieb and M. Rueher

Experiments in reactive constraint logic programming 185
F. Fages, J. Fowler and T. Sola

Section 3: Implementation

Automated reasoning with a constraint-based metainterpreter 213
H. Christiansen

Mechanising shared configuration and diagnosis theories through constraint logic programming 255
N. Sharma and R. Colomb

Author Index – Volume 37 285

Contents List – Volume 37 287